Title: Fungicidal Compositions and Methods Using Cyanodithiocarbimates Filing Date: November 26, 2003 Attorney Docket: 030787-070000 Figure 1 of 2

$$CS_2$$
 + KOH + $\stackrel{H}{\underset{N}{\bigvee}}N$ $\stackrel{K^+}{\underset{N^-}{\longrightarrow}}N=N$

RBr +
$$\begin{array}{c} K^{+} S^{-} \\ \searrow = N - \equiv N \end{array}$$
 \longrightarrow $\begin{array}{c} R - S \\ \searrow = N - \equiv N \\ \swarrow & S^{-} \end{array}$

$$R-S$$
 K^+ $S^ N \longrightarrow N$
 $+$
 $BrCH_2X$
 X
 $R-S$
 X
 $N \longrightarrow N$

Figure 1

Title: Fungicidal Compositions and Methods Using Cyanodithiocarbimates

Filing Date: November 26, 2003 Attorney Docket: 030787-070000 Figure 2 of 2

$$CS_2$$
 + KOH + H N N N K^+ S $-$ N $=$ N

$$S = N = N$$

$$K^{+} S^{-} + BrCH_{2}CI \longrightarrow CI$$

$$CI = S$$

Figure 2